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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

02/22/2002

SCHWEGMAN LUNDBERG WOESSNER & KLUTH PO BOX 2938 MINNEAPOLIS, MN 55402 EXAMINER NGUYEN, VIET Q

ART UNIT CLASS-SUBCLASS

2818 365-185140

DATE MAILED: 02/22/2002

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/135,413	08/14/1998	LEONARD FORBES	303.354US2	9295

TITLE OF INVENTION: METHOD FOR OPERATING A DEARPROM HAVING AN AMORPHOUS SILICON CARBIDE GATE INSULATOR

TOTA	L CLAIMS	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
	47	nonprovisional	NO	\$1280	\$0	\$1280	05/22/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above. If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

B. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

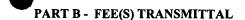
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and mail this form, together with applicable fee(s), to:

Box ISSUE FEE

Assistant Commissioner for Patents

Washington, D.C. 20231

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CURRENT CORRESPONDENCE ADDRESS	Note: Legibly mark-un	with any corrections or use Block 1)

7590

02/22/2002

SCHWEGMAN LUNDBERG WOESSNER & KLUTH PO BOX 2938 MINNEAPOLIS, MN 55402 Note: The certificate of mailing below can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

Certificate of Mailing

I hereby certify that this Fee(s) Transmittal is being deposited with the
United States Postal Service with sufficient postage for first class mail in an
envelope addressed to the Box Issue Fee address above on the date
indicated below.

indicated below.	
	(Depositor's name)
	(Signature)
	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/135,413	08/14/1998	LEONARD FORBES	303.354US2	9295

TITLE OF INVENTION: METHOD FOR OPERATING A DEARPROM HAVING AN AMORPHOUS SILICON CARBIDE GATE INSULATOR

TOTAL CLAIMS	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
47	nonprovisional	NO	\$1280	\$0	\$1280	05/22/2002
EXA	AMINER	ART UNIT	CLASS-SUBCLAS	SS		
NGUYI	EN, VIET Q	2818	365-185140			
Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Use of PTO form(s) and Customer Number are recommended, but not required. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47) attached.			or agents OR, all single firm (having attorney or agent	the patent front page, I to 3 registered patent attoernatively, (2) the name ag as a member a region and the names of up and the names of up attorneys or agents. If no will be printed.	orneys 1stered to 2 2	

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee categor	ry or categories (will not be printed on the patent)	☐ individual	☐ corporation or other private	e group entity	☐ government
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):				
☐ Issue Fee	☐ A check in the amount	of the fee(s) is end	closed.		
☐ Publication Fee	Payment by credit care	i. Form PTO-2038	is attached.		
☐ Advance Order - # of Copies	☐ The Commissioner is Deposit Account Numbe	nereby authorized b	by charge the required fee(s), o (enclose an extra copy of the	or credit any o	verpayment, to
The COMMISSIONER OF PATENTS AND application identified above.	TRADEMARKS is requested to apply the Issue Fee	and Publication F	ee (if any) or to re-apply any	previously pai	id issue fee to the
(Authorized Signature)	(Date)				
other than the applicant; a registered atto interest as shown by the records of the Unit Burden Hour Statement: This form is estim	e (if required) will not be accepted from anyone mey or agent; or the assignee or other party in ed States Patent and Trademark Office. ated to take 0.2 hours to complete. Time will vary se. Any comments on the amount of time required				
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			NGUYEN, VIET Q		
			ART UNIT PAPER NUMBER		
			2818		
			DATE MAILED: 02/22/2002		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

· · · · · · ·		Application No.	Applicant(s)
• • • •			
	Notice of Allowability	09/135,413 Examiner	FORBES ET AL. Art Unit
and the second			
		Viet Q Nguyen	2818
herewith (o	The MAILING DATE of this communication appearing allowable, PROSECUTION ON THE MERITS IS or previously mailed), a Notice of Allowance (PTOL-85; F ALLOWABILITY IS NOT A GRANT OF PATENT Refer or upon petition by the applicant. See 37 CFR 1.313 communication is responsive to RCE & IDS filed on 1	(OR REMAINS) CLOSED in this ap) or other appropriate communication (IGHTS. This application is subject to 3 and MPEP 1308.	plication. If not included
	allowed claim(s) is/are <u>19-21,28-38 and 43-75</u> .	<u> 170/02</u> .	
	drawings filed on 1/8/00 are accepted by the Examine	er .	
	nowledgment is made of a claim for foreign priority un		
	☐ All b) ☐ Some* c) ☐ None of the:	der 00 0.0.0. § 110(a)-(a) 01 (1).	
	1. ☐ Certified copies of the priority documents have	e been received.	
	2. Certified copies of the priority documents have	e been received in Application No	
	3. Copies of the certified copies of the priority do	cuments have been received in this	national stage application from the
	International Bureau (PCT Rule 17.2(a)).		
	rtified copies not received:		
	nowledgment is made of a claim for domestic priority u		ional application).
	The translation of the foreign language provisional a		
6. ∐ Ackn	nowledgment is made of a claim for domestic priority u	nder 35 U.S.C. §§ 120 and/or 121.	
Applicant h	as THREE MONTHS FROM THE "MAILING DATE" of lure to timely comply will result in ABANDONMENT of	f this communication to file a reply co	omplying with the requirements noted
7. A SUINFORMAL	UBSTITUTE OATH OR DECLARATION must be subn . PATENT APPLICATION (PTO-152) which gives reas	nitted. Note the attached EXAMINER son(s) why the oath or declaration is	R'S AMENDMENT or NOTICE OF deficient.
8. 🗌 COR	RECTED DRAWINGS must be submitted.		
(a) 🗌	including changes required by the Notice of Draftsper	son's Patent Drawing Review (PTO	-948) attached
	1) 🔲 hereto or 2) 🔲 to Paper No	- .	
(b) 🗌	including changes required by the proposed drawing	correction filed, which has be	een approved by the Examiner.
	including changes required by the attached Examiner		
Identifyi of each	ng indicia such as the application number (see 37 CFR 1 sheet. The drawings should be filed as a separate paper	.84(c)) should be written on the drawir with a transmittal letter addressed to	ngs in the top margin (not the back) the Official Draftsperson.
9. DEP attached Ex	OSIT OF and/or INFORMATION about the depondant comment regarding REQUIREMENT FOR T	sit of BIOLOGICAL MATERIAL r HE DEPOSIT OF BIOLOGICAL MA	nust be submitted. Note the TERIAL.
Attachmen	nt(s)		
3∏ Notice 5⊠ Informa 7∏ Examir	of References Cited (PTO-892) of Draftperson's Patent Drawing Review (PTO-948) ation Disclosure Statements (PTO-1449), Paper No. <u>3</u> ner's Comment Regarding Requirement for Deposit ogical Material	4☐ Interview Summa 6☐ Examiner's Ame	ement of Reasons for Allowance Let Null Viet Q Nguyen
			Primary Examiner Art Unit: 2818

U.S. Patent and Trademark Office PTO-37 (Rev. 04-01)

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Notice of Allowability

Part of Paper No.-32 :

Art Unit: 2818

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The prior arts fail to teach or fairly suggest a method for using a floating gate transistor having an amorphous silicon carbide insulator which includes the steps of "storing data by changing a charge of the floating gate electrode", "reading data by detecting a current between a source and drain in a substrate", "and "refreshing data based on data charge retention time of the floating gate transistor that depends upon the barrier energy at an interface of the floating gate electrode and the gate insulator".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Viet Nguyen whose telephone number is (703) 308-4897.

//∕N V. Nguyen

February 18, 2002

wet vaugen

Viet Q. Nguyen Primary Examiner

Viet Q. Nguyen